



S.A.T.	283 MV
area	n°

Service Bulletin

Service Bulletin - Technisches Rundschreiben - Circulaire Technique - Circular Tecnica

Date: **13 October 2021**

Subject: **Front brake hose connection washers**

Product: **Brutale 1000 RR EURO 5 - Brutale 1000 RS EURO 5 - RUSH 1000 EURO 5**
from VIN: ...NV000011 to VIN: ...NV000249 included, with in addition VIN...
NV000270

As a result of continuous monitoring of our product quality, it has been found that the washers of the front brake caliper fittings need to be replaced on the above-mentioned models.

We ask you to update your vehicles according to the instructions in this technical communication BEFORE handing it over the vehicle to the end customer, during a maintenance service or at the first available opportunity at your workshop.

Element to be modified/added	Type of operation to be performed	Reason for update
Sealing washers for front brake caliper connections	Replacing the aluminium washers with copper washers	Aluminium washers may deform and lead to loss of load of the connecting screws

WARRANTY CLAIM AND LABOUR REFUND (PHASE 1):

To obtain a refund for the labour, in addition to the complete motorcycle data, it is necessary to send a Warranty Claim using the following information:

- Warranty type = 2 options available:
 - New motorcycles in stock NOT REGISTERED = **GX**
 - Motorcycles sold with activated warranty = **GS**
- Special warranty number: **2849** (to be used for all types of warranty claim)
- Operation code for labour recognition: **P999** with labour time of **1 h**
- Problem code: **012**
- Problem date: **warranty claim insertion date**
- It is also mandatory to include the reference "**SB 283**" in the warranty claim's notes.
- Spare parts code: **800021480** copper washer. **Quantity 5 Pcs.**

WARRANTY CLAIM (STEP 2):

After the validation of the Warranty Claim by the MV Agusta Technical Assistance Service, you will automatically receive the spare parts selected to update your vehicle.

Once the update has been carried out, it will be necessary to finalize the Warranty Claim procedure by entering the repair date: the insertion of the repair date in the Warranty Claim is valid as certification of the reclamation of the motorcycle by the dealer and also allows the payment of labour concerning the work performed.

NOTE: we remind you that according to the new warranty management functions and procedures, the insertion of the repair date is fundamental and mandatory as per technical communication no. 004/17.

TOOLS NEEDED FOR PERFORMING THE OPERATIONS:

- 12 mm hexagonal socket
- Torque wrench 0 – 30 Nm

INTERVENTION PROCEDURE:

NOTE : For all the operations described below, refer to the Chassis Workshop Manual code 8000C6079 - section H brakes - Page 11, available on the MV Agusta portal.

- Move the front brake lever slightly closer to the right handlebar grip and hold it in place with a cable tie in order to prevent brake fluid from draining during subsequent operations.
- Locate the brake hose connections on the front brake calipers:



- Protect the operating area adequately to prevent damage from contact with brake fluid.
- Loosen and remove the front brake hose connecting screws and remove the aluminium washers.

IMPORTANT NOTE:

The washers removed MUST NOT BE REUSED.

The operation must be carried out on both brake calipers for a total replacement of 5 washers, two on the right brake caliper connection and three on the left brake caliper connection.

- Apply a piece of rubber hose with a diameter of approx. 11 mm to the inside of the brake hose opening to prevent the system from draining the fluid (inside diameter of brake hose opening: 10 mm):



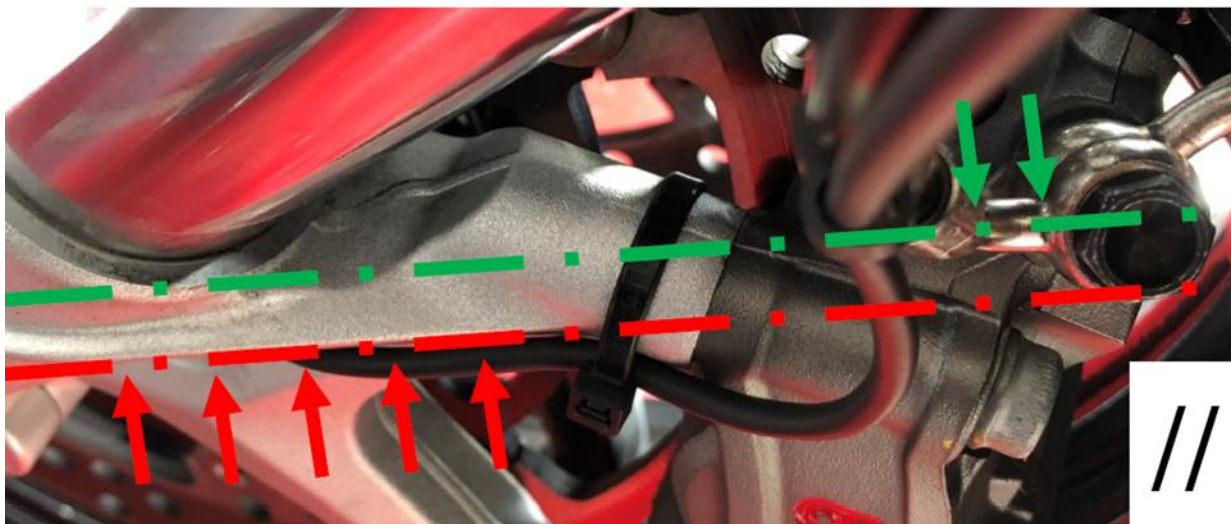
- Apply the 5 washers code **800021480** and tighten the brake hose connecting screws to a torque of **23 to 26 Nm**.



- Pay attention to the orientation of the brake hoses in relation to the brake calliper:

LEFT SIDE:

The left front brake calliper hose must have the axis of the connection (green line) parallel to the profile of the fork bottom left (red line), as shown in the photo below:



BOTH SIDES:

The front brake caliper hose must be tightened at both sides, as in the position shown in the photo below, taking the caliper bleed plug axis as a reference:



- Bleed the front brake system by topping up the system with Motul DOT 4 Brake Fluid from a sealed container (refer to the workshop manual for the bleeding procedure).
- Accurately clean the entire working area of any residues of brake oil.
- Check and, if necessary, restore the fluid level in the tank to the maximum reference mark.
- Apply a strip of adhesive tape to the front brake lever, mark it with a felt-tip pen and apply constant pressure to the brake lever with a rubber band
- Measure the distance of the lever from the knob in the previously marked area and **keep the elastic band applied for 10 min.**
- Check the distance of the lever from the handle again: **the maximum lever sag allowed is 3mm.**



- **IMPORTANT NOTE: If the distance between the lever and the handlebar is reduced by more than 3 mm, the brake circuit must be bled again.**
- Check that there is no oil leakage in the areas affected by the operation.
- Perform a dynamic test on the bike

IMPORTANT NOTE: DO NOT OPERATE THE VEHICLE OR ACTIVATE THE ABS SYSTEM IF THERE IS AIR IN THE SYSTEM.

Thanking you in advance for your cooperation, we remain at your disposal for any technical/commercial support.

Best regards

MV AGUSTA MOTOR S.p.A.
Technical Assistance support